

1 CLAIMS

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3 1. Pseudodipeptide characterized in that it has the
4 following general formula (I) :

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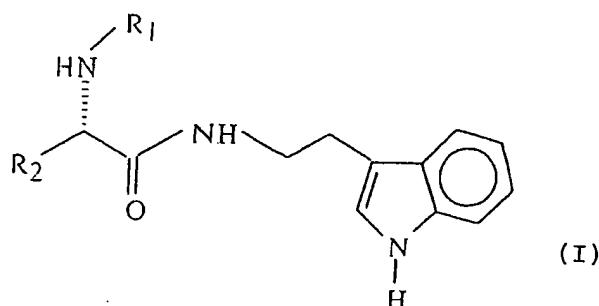
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12 in which :

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14 - R₁ represents a hydrogen atom, an acyl or
15 acyloxy radical,16 - R₂ represents the side chain of an alpha-amino
17 acid chosen among L-glutamic acid, L-arginine, L-
18 cysteine, L-methionine, L-histidine, L-
19 tryptophan, L-tyrosine.

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21 2. Pseudodipeptide according to the claim 1,
22 characterized in that it is the alpha-L-
23 glutamyltryptamine, L-methionyltryptamine and L-
24 tryptophantryptamine.

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26 3. Pseudodipeptide according to claims 1 or 2,
27 characterized in that it is the alpha-L-
28 glutamyltryptamine.

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30 4. Pseudodipeptide according to the claim 1,
31 characterized in that R₁ represents an acetyl or ter-
32 butyloxycarbonyl radical, and R₂ represents the side

1 chain of an alpha-amino acid chosen among L-glutamic
2 acid, L-methionine and L-tryptophan.
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4 5. Analog of the pseudodipeptide according to the claim
5 resulting from the intramolecular cyclisation of the
6 glutamic radical in a pyroglutamic radical.
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8 6. Chemical process for the preparation of the
9 pseudodipeptides according to one of the claims 1 to 4,
10 the said process comprising following steps :
11 a) protection of the alpha-amino function of the L-
12 amino acid with an acyl or acyloxy radical,
13 b) coupling of the N-protected L-aminoacid to
14 tryptamine,
15 c) removal or not of the N-protecting group according
16 to the sought pseudodipeptide.
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18 7. Process according to the claim 6, in which the L-
19 amino acid is the glutamic acid and in which step a) is
20 followed prior to step b) with an esterification step
21 of the gamma-carboxylic function with an alkyl radical.
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23 8. Process according to the claim 6, in which the N-
24 protecting groups are chosen among acetyl or ter-
25 butyloxycarbonyl radicals.
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27 9. Neurocosmetic composition characterized in that it
28 contains a pseudodipeptide of general formula defined
29 according to one of the claims 1 to 5, in combination
30 with one or several appropriated cosmetically
31 excipients.
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1 10. Use of a pseudodipeptide according to one of the
2 claims 1 to 5 as neurocosmetic agent displaying a
3 cytoprotecting effect towards cutaneous nervous cells
4 submitted to an ultra-violet radiation.

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6 11. Use of a pseudodipeptide according to one of the
7 claims 1 to 5 as neurocosmetic agent intended for
8 slowing down the neurodegeneration process.

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10 12. Use of a pseudodipeptide according to one of the
11 claims 1 to 5 as neurocosmetic agent intended for
12 fighting against the neurogenic inflammation.

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14 13. Use of a pseudodipeptide according to one of the
15 claims 1 to 5 as neurocosmetic agent able to stimulate
16 the cutaneous immune cells.